

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1084-PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 02/ 07589	International filing date (day/month/year) 11/03/2002	(Earliest) Priority Date (day/month/year) 12/03/2001
Applicant AXSUN TECHNOLOGIES, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- ☒ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

4d

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/07589

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B26/08 G02B3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 34484 A (CORETEK INC) 8 July 1999 (1999-07-08)	1,2, 8-11,13
Y	page 38 -page 40; figures 3E,4F	3-7
Y	MICHIO HISANAGA ET AL: "FABRICATION OF 3-Dimensionally Shaped Si Diaphragm Dynamic Focusing Mirror" PROCEEDINGS OF THE WORKSHOP ON MICRO ELECTRO MECHANICAL SYSTEMS (MEMS) FORT LAUDERDALE, FEB. 7 - 10, 1993, NEW YORK, IEEE, US, vol. WORKSHOP 6, 7 February 1993 (1993-02-07), pages 30-35, XP000366851 ISBN: 0-7803-0957-X page 32 -page 33; figures 1,6	3-7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

30 August 2002

Date of mailing of the international search report

09/09/2002

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 420 468 A (HAZELTINE CORP) 3 April 1991 (1991-04-03) column 2, line 31 - line 43; figure 2 ----	1,2
X	DE 198 51 967 A (BOSCH GMBH ROBERT) 25 May 2000 (2000-05-25) column 5, line 30 -column 6, line 35; figure 4 ----	1,2
P,X	US 6 201 629 B1 (MCCLELLAND ROBERT WILLIAM ET AL) 13 March 2001 (2001-03-13) column 17, line 51 - line 67; figure 22C -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/07589

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9934484	A	08-07-1999	US 2002031155 A1	14-03-2002
			AU 2017499 A	19-07-1999
			CA 2316858 A1	08-07-1999
			CN 1285034 T	21-02-2001
			EP 1053574 A2	22-11-2000
			JP 2002500446 T	08-01-2002
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			JP 3131816 A	05-06-1991
DE 19851967	A	25-05-2000	DE 19851967 A1	25-05-2000
US 6201629	B1	13-03-2001	US 2001022682 A1	20-09-2001
			US 2001021058 A1	13-09-2001